

Converting Colors

XYZ(4.6260, 7.1996, 6.8305)

Have a look what the booklet for
XYZ(4.6260, 7.1996, 6.8305)
contains.

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Color

XYZ(4.6157, 7.1954, 6.7758)

Conversions

Conversions Part 1

Format	Color
Hex	105645
RGB	16, 86, 69
RGB Percent	6%, 34%, 27%
CMY	0.9372, 0.6627, 0.7294
CMYK	0.81, 0.00, 0.20, 0.66
HSL	165°, 69%, 20%
HSV	165°, 81%, 34%
XYZ	4.6157, 7.1954, 6.7758
YIQ	63.1320, -36.2630, -20.1270

Conversions

Conversions Part 2

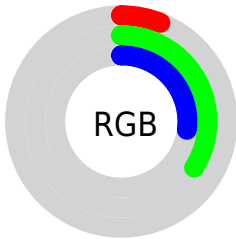
Format	Color
R_{YB}	16, 56, 86
Decimal	1070661
CIE _{Lab}	32.25, -25.55, 3.93
CIE _{LCh}	32, 25.846, 171.254
Y _{xy}	7.1954, 0.2483, 0.3871
Android (android.graphics.Color)	4279260741 (0xFF105645)
YUV	63.1320, 2.8929, -41.3348
Hunter-Lab	26.8242, -16.2276, 3.8003

Details

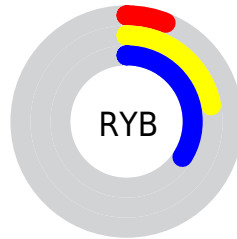
The XYZ color **4.6157, 7.1954, 6.7758** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **4.2979, 2.4591, 1.6876**, and the grayscale version is **4.7442, 4.9913, 5.4355**.

A 20% lighter version of the original color is **14.6875, 20.2704, 19.9681**, and **0.9452, 1.5922, 1.2348** is the 20% darker color. If you saturate the color by 10%, you get **4.4311, 7.1078, 6.4347**, and if you desaturate by 10%, it is **4.8594, 7.3136, 7.1319**.

Distribution



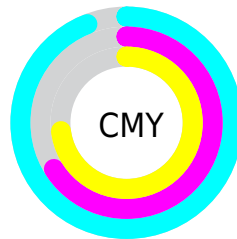
- Red (6%)
- Green (34%)
- Blue (27%)



- Red (6%)
- Yellow (22%)
- Blue (34%)



- Cyan (81%)
- Magenta (0%)
- Yellow (20%)
- Black (66%)



- Cyan (94%)
- Magenta (66%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 4.6157, 7.1954, 6.7758 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 4.6157, 7.1954, 6.7758 by changing the saturation by 10% instead.

■ 4.6157, 7.1954,
6.7758

■ 4.6157, 7.1954,
6.7758

141.0758,
169.2776, 175.3472

■ 2.0560, 3.5846,
3.2460

■ 14.7391, 20.3652,
20.0259

■ 0.6651, 1.4440,
1.2216

■ 23.0335, 30.6931,
30.5832

■ 0.0000, 0.2488,
0.0000

■ 33.9703, 44.0287,
44.3201

■ 0.0000, 0.0000,
0.0000

■ 47.9147, 60.7565,
61.6551

■ 65.2320, 81.2609,
83.0068

■ 86.2878, 105.9263,

108.7937

■ 111.4473,
135.1371, 139.4343

■ 4.6157, 7.1954,
6.7758

■ 4.6157, 7.1954,
6.7758

■ 4.4311, 7.1078,
6.4347

■ 4.8594, 7.3136,
7.1319

■ 4.2853, 7.0387,
6.1509

■ 5.1703, 7.4660,
7.5030

■ 5.5541, 7.6556,
7.8896

■ 6.0156, 7.8852,
8.2922

■ 6.5595, 8.1568,
8.7110

■ 7.1898, 8.4728,
9.1464

■ 7.9104, 8.8350,
9.5986

■ 8.7249, 9.2454,
10.0680

■ 9.6367, 9.7056,
10.5547

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



5.0368, 7.1954, 4.0952



4.6157, 7.1954, 6.7758



4.7272, 7.1954, 10.7911

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



4.6157, 7.1954, 6.7758



7.8056, 7.1954, 16.8014



8.5622, 7.1954, 3.4077

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



4.6157, 7.1954, 6.7758



4.2979, 2.4591, 1.6876

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



9.5013, 7.1954, 5.4743



4.6157, 7.1954, 6.7758



9.0267, 7.1954, 13.3514

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



4.6157, 7.1954, 6.7758



6.4586, 7.1954, 17.4956



9.6815, 7.1954, 8.9983



7.2341, 7.1954, 2.6065

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



4.6157, 7.1954, 6.7758



5.0956, 7.1954, 13.7038



9.6815, 7.1954, 8.9983



8.9407, 7.1954, 3.9384

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



4.6159, 7.1957, 6.7760



12.1712, 14.6101, 15.7216



4.0650, 7.0250, 1.6322



2.9107, 3.5351, 3.7953



45.3388, 47.7000, 51.9453



3.7718, 3.9682, 4.3214

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



4.6159, 7.1957, 6.7760



7.5037, 12.3108, 10.6782



3.9912, 4.9775, 9.5547



2.1372, 2.3542, 2.5602



6.7566, 11.1316, 9.5942



37.5916, 62.3869, 51.9799

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



4.2979, 2.4591, 1.6876



6.9531, 3.5951, 1.4866



4.4894, 3.1319, 0.8584



2.1212, 2.1269, 2.3123



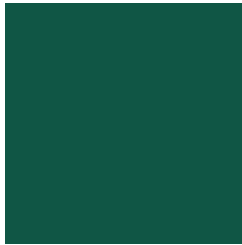
6.2620, 3.2066, 1.2669



34.8671, 17.8894, 5.4837

Previews

White Background



This preview shows how the XYZ color 4.6157, 7.1954, 6.7758 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 4.6157, 7.1954, 6.7758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

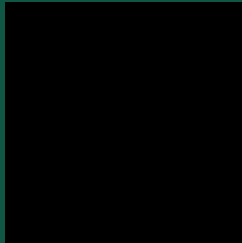
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 4.6157, 7.1954, 6.7758

Background



This preview shows how black text looks on a background with the XYZ color 4.6157, 7.1954, 6.7758.



This preview shows how white text looks on a background with the XYZ color 4.6157, 7.1954, 6.7758.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

4.6157, 7.1954, 6.7758

Protanopia

6.8181, 7.2445, 5.8895

Deuteranopia

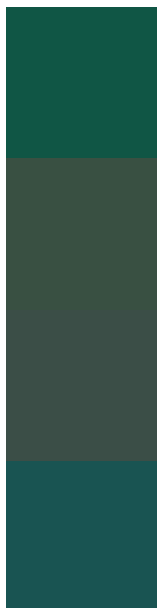
7.2084, 7.1178, 7.1248



Tritanopia

5.4741, 7.2007, 10.7742

Trichromacy



Original Color

4.6157, 7.1954, 6.7758

Protanomaly

5.5394, 7.0005, 6.2135

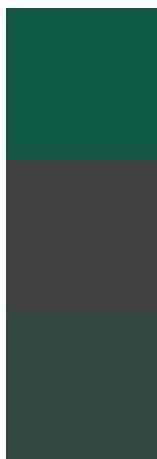
Deuteranomaly

5.6654, 6.8335, 6.9816

Tritanomaly

5.0942, 7.1565, 9.0955

Monochromacy



Original Color

4.6157, 7.1954, 6.7758

Achromatopsia

4.7246, 4.9707, 5.4130

Achromatomaly

4.3341, 5.4690, 5.8282

CSS Examples

Text

The CSS property to change the color of the text to XYZ 4.6157, 7.1954, 6.7758 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(16, 86, 69) looks like.

```
.text, #text, p{  
    color:rgb(16, 86, 69)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(16, 86, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 86, 69) }
```

Border

The CSS property to change the border of an element to XYZ 4.6157, 7.1954, 6.7758 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(16, 86, 69) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(16, 86, 69) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(16, 86, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 86, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 86, 69);  
box-shadow:4px 4px 4px 4px rgb(16, 86, 69)  
}
```


Background

The CSS property to change the background color of an element to XYZ 4.6157, 7.1954, 6.7758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 86, 69) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(16, 86,  
69) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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